



FortiManager - Release Notes

Version 5.6.6

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Change Log

Date	Change Description
2018-10-02	Initial release of 5.6.6.
2018-10-04	Added the following Mantis to <i>Resolved Issues</i> : 482721, 437064, 472011, 462721, 473644, and 474994.

Introduction

This document provides the following information for FortiManager 5.6.6 build 1750:

- [Supported models](#)
- [Special Notices](#)
- [Upgrade Information](#)
- [Product Integration and Support](#)
- [Compatibility with FortiOS Versions](#)
- [Resolved Issues](#)
- [Known Issues](#)
- [FortiGuard Distribution Servers \(FDS\)](#)

For more information on upgrading your device, see the FortiManager *Upgrade Guide*.

Supported models

FortiManager version 5.6.6 supports the following models:

FortiManager	FMG-200D, FMG-200F, FMG-300D, FMG-300E, FMG-400E, FMG-1000D, FMG-2000E, FMG-3000F, FMG-3900E, FMG-4000D, and FMG-4000E.
FortiManager VM	FMG-VM64, FMG-VM64-AWS, FMG-VM64-Azure, FMG-VM64-HV (including Hyper-V 2016), FMG-VM64-KVM, FMG-VM64-OPC and FMG-VM64-XEN (for both Citrix and Open Source Xen).

Minimum screen resolution

The recommended minimum screen resolution is 1280 x 800. Please adjust the screen resolution accordingly. Otherwise, the GUI may not display properly.

Special Notices

This section highlights some of the operational changes that administrators should be aware of in 5.6.6.

FortiAP Manager per-device management option

FortiAP Manager now supports a new per-device AP management option. When this option is enabled, the WiFi settings are managed at each FortiGate device level. The Central WiFi settings of the ADOM are not applied to the per-device managed APs.

Traffic Shaping Policies

Starting from FortiManager 5.6.0, configuration for traffic shaping policies has been moved from individual FortiGate devices (the device database) to the ADOM database Policy Package. For FortiManager units that are upgraded from a previous release, a one-time operation of Importing all traffic shaping policies into the ADOM must be performed (a one-time manual or scripted reconfiguration can also be performed). Otherwise, the FortiManager will delete (purge) all existing traffic shaping policies on the FortiGate when installing the original policy package.

WebSocket Implementation

As of version 5.6.0, WebSocket protocol has been implemented to allow for more efficient communication between the FortiManager and the browser. WebSocket protocol uses the standard TCP 80/443 browser ports, and is transparent to the operator. If your browser is using a proxy to access the FortiManager, ensure there are no limitations or restrictions on the using WebSocket.

Virtual Wire Pair Support after Upgrade to 5.6.2 or Later

FortiManager 5.6.2 or later supports Virtual Wire Pair policies. After you upgrade FortiManager, you should import all policies and objects again from FortiGate units that use Virtual Wire Pair policies. Otherwise, a subsequent install may delete all policies on FortiGate units that reference a Virtual Wire Pair.

FortiGate VM 16/32/UL license support

FortiOS 5.4.4 introduces new VM license types to support additional vCPUs. FortiManager 5.6.0 supports these new licenses with the prefixes of FGVM16, FGVM32, and FGVMUL.

Hyper-V FortiManager-VM running on an AMD CPU

A Hyper-V FMG-VM running on a PC with an AMD CPU may experience a kernel panic. Fortinet recommends running VMs on an Intel-based PC.

IPsec connection to FortiOS for logging

FortiManager 5.4.2 and later does not support an IPsec connection with FortiOS 5.0/5.2. However UDP or TCP + reliable are supported.

Instead of IPsec, you can use the FortiOS reliable logging feature to encrypt logs and send them to FortiManager. You can enable the reliable logging feature on FortiOS by using the `configure log fortianalyzer setting` command. You can also control the encryption method on FortiOS by using the `set enc-algorithm default/high/low/disable` command.

VM License (VM-10K-UG) Support

FortiManager 5.4.2 introduces a new VM license (VM-10K-UG) that supports 10,000 devices. It is recommended to upgrade to FortiManager 5.4.2 or later before applying the new license to avoid benign GUI issues.

System Configuration or VM License is Lost after Upgrade

When upgrading FortiManager from 5.4.0 or 5.4.1 to 5.4.x or 5.6.0, it is imperative to reboot the unit before installing the 5.4.x or 5.6.0 firmware image. Please see the *FortiManager Upgrade Guide* for details about upgrading. Otherwise, FortiManager may lose system configuration or VM license after upgrade. There are two options to recover the FortiManager unit:

1. Reconfigure the system configuration or add VM license via CLI with `execute add-vm-license <vm license>`.
2. Restore the 5.4.0 backup and upgrade to 5.4.2.

FortiOS 5.4.0 Support

With the enhancement in password encryption, FortiManager 5.4.2 and later no longer supports FortiOS 5.4.0. Please upgrade FortiGate to 5.4.2 or later.



The following ADOM versions are not affected: 5.0 and 5.2.

Local in-policy after upgrade

After upgrading to FortiManager 5.4.1 or later, you must import or reconfigure local in-policy entries. Otherwise, the subsequent install of policy packages to FortiGate will purge the local in-policy entries on FortiGate.

ADOM for FortiGate 4.3 Devices

FortiManager 5.4 and later no longer supports FortiGate 4.3 devices. FortiManager cannot manage the devices after the upgrade. To continue managing those devices, please upgrade all FortiGate 4.3 to a supported version, retrieve the latest configuration from the devices, and move the devices to an ADOM database with the corresponding version.

SSLv3 on FortiManager-VM64-AWS

Due to known vulnerabilities in the SSLv3 protocol, FortiManager-VM64-AWS only enables TLSv1 by default. All other models enable both TLSv1 and SSLv3. If you wish to disable SSLv3 support, please run:

```
config system global
set ssl-protocol tlsv1
end
```

Port 8443 reserved

Port 8443 is reserved for `https-logging` from FortiClient EMS for Chromebooks.

Upgrade Information

Upgrading to FortiManager 5.6.6

You can upgrade FortiManager 5.4.0 or later directly to 5.6.6. If you are upgrading from versions earlier than 5.4.x, you should upgrade to the latest patch version of FortiManager 5.4 first.



When upgrading from FortiManager 5.4 or 5.6.0 to 5.6.1, it is required to run the following CLI for proper rendering of GUI pages:

```
diagnose cdb upgrade force-retry resync-dbcache
```



When upgrading from FMG 5.2, an *Import Policy Package* should be performed on all FortiGates using *Local-In-Policies*. As of FMG 5.4, these are handled in Policies & Objects.



During upgrade from 5.2.4 or earlier, invalid dynamic mappings and duplicate package settings are removed from the ADOM database. Please allow sufficient time for the upgrade to complete.



For details about upgrading your FortiManager device, see the *FortiManager Upgrade Guide*.

Upgrading from 5.2.x

Starting with FortiManager 5.4.0, you can create a maximum number of Global and ADOM objects for each object category, and the maximum is enforced. The maximum numbers are high and unlikely to be met. The purpose of the maximum is to help avoid excessive database sizes, which can impact performance.

During upgrade from FortiManager 5.2.x to 5.4.x to 5.6.6, objects are preserved, even if the 5.2 ADOM contains more than the maximum number of allowed objects. If you have met the maximum number of allowed objects, you cannot add additional objects after upgrading to FortiManager 5.6.6.

Following are examples of object limits:

- Firewall service custom: 8192 objects
- Firewall service group: 2000 objects

If you have reached the maximum number of allowed objects, you can reduce the number of objects by deleting duplicate or obsolete objects from the ADOM.

You can also reach the maximum number of allowed objects if you have multiple FortiGate/VDOMs in the same ADOM. You can reduce the number of objects by moving the FortiGates/VDOMs into different ADOMs.

Downgrading to previous firmware versions

FortiManager does not provide a full downgrade path. You can downgrade to a previous firmware release via the GUI or CLI, but doing so results in configuration loss. A system reset is required after the firmware downgrading process has completed. To reset the system, use the following CLI commands via a console port connection:

```
execute reset {all-settings | all-except-ip}
execute format {disk | disk-ext4 | disk-ext3}
```

FortiManager VM firmware

Fortinet provides FortiManager VM firmware images for Amazon AWS, Citrix and Open Source XenServer, Linux KVM, Microsoft Hyper-V Server, and VMware ESX/ESXi virtualization environments.

Amazon Web Services

- The 64-bit Amazon Machine Image (AMI) is available on the AWS marketplace.

Citrix XenServer and Open Source XenServer

- `.out`: Download the 64-bit firmware image to upgrade your existing FortiManager VM installation.
- `.out.OpenXen.zip`: Download the 64-bit package for a new FortiAnalyzer VM installation. This package contains the QCOW2 file for the Open Source Xen Server.
- `.out.CitrixXen.zip`: Download the 64-bit package for a new FortiManager VM installation. This package contains the Citrix XenServer Virtual Appliance (XVA), Virtual Hard Disk (VHD), and OVF files.

Linux KVM

- `.out`: Download the 64-bit firmware image to upgrade your existing FortiManager VM installation.
- `.out.kvm.zip`: Download the 64-bit package for a new FortiManager VM installation. This package contains QCOW2 that can be used by qemu.

Microsoft Azure

The files for Microsoft Azure have AZURE in the filenames, for example `FMG_VM64_AZURE-v<number>-build<number>-FORTINET.out.hyperv.zip`.

- `.out`: Download the firmware image to upgrade your existing FortiManager VM installation.
- `.hyperv.zip`: Download the package for a new FortiManager VM installation. This package contains a Virtual Hard Disk (VHD) file for Microsoft Azure.

Microsoft Hyper-V Server

The files for Microsoft Hyper-V Server have HV in the filenames, for example, FMG_VM64_HV-v<number>-build<number>-FORTINET.out.hyperv.zip.

- `.out`: Download the firmware image to upgrade your existing FortiManager VM installation.
- `.hyperv.zip`: Download the package for a new FortiManager VM installation. This package contains a Virtual Hard Disk (VHD) file for Microsoft Hyper-V Server.



Microsoft Hyper-V 2016 is supported.

VMware ESX/ESXi

- `.out`: Download the 64-bit firmware image to upgrade your existing VM installation.
- `.ovf.zip`: Download either the 64-bit package for a new VM installation. This package contains an Open Virtualization Format (OVF) file for VMware and two Virtual Machine Disk Format (VMDK) files used by the OVF file during deployment.



For more information see the FortiManager product data sheet available on the Fortinet web site, <http://www.fortinet.com/products/fortimanager/virtualappliances.html>. VM installation guides are available in the [Fortinet Document Library](#).

Firmware image checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the Customer Service & Support portal, <https://support.fortinet.com>. After logging in select *Download > Firmware Image Checksums*, enter the image file name including the extension, and select *Get Checksum Code*.

SNMP MIB files

You can download the *FORTINET-FORTIMANAGER-FORTIANALYZER.mib* MIB file in the firmware image file folder. The Fortinet Core MIB file is located in the main FortiManager version 5.00 file folder.

Product Integration and Support

FortiManager 5.6.6 support

The following table lists 5.6.6 product integration and support information:

Web Browsers

- | |
|---|
| <ul style="list-style-type: none">• Microsoft Internet Explorer version 11 or Edge 40
Due to limitation on Microsoft Internet Explorer or Edge, it may not completely render a page with a large set of policies or objects.• Mozilla Firefox version 62• Google Chrome version 69 <p>Other web browsers may function correctly, but are not supported by Fortinet.</p> |
|---|

FortiOS/FortiOS Carrier

- 5.6.6
FortiManager 5.6.5 is fully tested as compatible with FortiOS/FortiOS Carrier 5.6.6, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.6.6 on page 25](#).
- 5.6.4 to 5.6.5
FortiManager 5.6.4 is fully tested as compatible with FortiOS/FortiOS Carrier 5.6.5, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.6.5 on page 25](#).
- 5.6.2 to 5.6.3
FortiManager 5.6.1 is fully tested as compatible with FortiOS/FortiOS Carrier 5.6.3, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.6.3 on page 25](#).
- 5.6.0 to 5.6.1
FortiManager 5.6.0 is fully tested as compatible with FortiOS/FortiOS Carrier 5.6.0 to 5.6.1, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.6.0 and 5.6.1 on page 26](#).
- 5.4.10
FortiManager 5.4.5 is fully tested as compatible with FortiOS/FortiOS Carrier 5.4.10, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.4.10 on page 26](#).
- 5.4.9
FortiManager 5.6.3 is fully tested as compatible with FortiOS/FortiOS Carrier 5.4.9, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.4.9 on page 26](#).
- 5.4.1 to 5.4.8
FortiManager 5.4.4 is fully tested as compatible with FortiOS/FortiOS Carrier 5.4.8, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.4.8 on page 26](#).
- 5.2.8 to 5.2.13
FortiManager 5.4.1 is fully tested as compatible with FortiOS/FortiOS Carrier 5.2.10, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.2.10 on page 27](#).
- 5.2.7
FortiManager 5.2.6 is fully tested as compatible with FortiOS/FortiOS Carrier 5.2.7, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.2.7 on page 27](#).
- 5.2.6
FortiManager 5.2.4 is fully tested as compatible with FortiOS/FortiOS Carrier 5.2.6, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.2.6 on page 27](#).
- 5.2.2 to 5.2.5
- 5.2.1
FortiManager 5.2.1 is fully tested as compatible with FortiOS/FortiOS Carrier 5.2.1, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.2.1 on page 28](#).
- 5.2.0
FortiManager 5.2.1 is fully tested as compatible with FortiOS/FortiOS Carrier 5.2.0, with some minor interoperability issues. For information, see [Compatibility issues with FortiOS 5.2.0 on page 28](#).

FortiAnalyzer	<ul style="list-style-type: none">• 5.6.0 and later• 5.4.0 and later• 5.2.0 and later• 5.0.0 and later
FortiCache	<ul style="list-style-type: none">• 4.2.8• 4.1.6• 4.0.0 to 4.0.4
FortiClient	<ul style="list-style-type: none">• 5.6.0 to 5.6.6• 5.4.0 and later• 5.2.0 and later
FortiMail	<ul style="list-style-type: none">• 5.4.7• 5.3.12• 5.2.10• 5.1.7• 5.0.10 <p>Limited support. For more information, see Feature support on page 16.</p>
FortiSandbox	<ul style="list-style-type: none">• 2.5.2• 2.4.1• 2.3.3• 2.2.2• 2.1.2• 1.4.0 and later• 1.3.0• 1.2.0 and 1.2.3
FortiSwitch	<ul style="list-style-type: none">• 5.2.5
FortiWeb	<ul style="list-style-type: none">• 5.9.1• 5.8.6• 5.8.3• 5.8.1• 5.8.0• 5.7.2• 5.6.1• 5.5.6• 5.4.1• 5.3.9• 5.2.4• 5.1.4• 5.0.6

FortiDDoS	<ul style="list-style-type: none"> • 4.6.0 • 4.5.0 • 4.4.2 • 4.3.2 • 4.2.3 • 4.1.12 <p>Limited support. For more information, see Feature support on page 16.</p>
FortiAuthenticator	<ul style="list-style-type: none"> • 5.2.2
Virtualization	<ul style="list-style-type: none"> • Amazon Web Service AMI, Amazon EC2, Amazon EBS • Citrix XenServer 7.2 • Linux KVM Redhat 7.1 • Microsoft Azure • Microsoft Hyper-V Server 2002 and 2016 • OpenSource XenServer 4.2.5 • VMware ESXi versions 5.0, 5.5, 6.0, 6.5, and 6.7



To confirm that a device model or firmware version is supported by current firmware version running on FortiManager, run the following CLI command:

```
diagnose dvm supported-platforms list
```



Always review the Release Notes of the supported platform firmware version before upgrading your device.

Feature support

The following table lists FortiManager feature support for managed platforms.

Platform	Management Features	FortiGuard Update Services	Reports	Logging
FortiGate	✓	✓	✓	✓
FortiCarrier	✓	✓	✓	✓
FortiAnalyzer			✓	✓
FortiCache			✓	✓
FortiClient		✓	✓	✓
FortiDDoS			✓	✓
FortiMail		✓	✓	✓

Platform	Management Features	FortiGuard Update Services	Reports	Logging
FortiSandbox		✓	✓	✓
FortiSwitch ATCA	✓			
FortiWeb		✓	✓	✓
Syslog				✓

Language support

The following table lists FortiManager language support information.

Language	GUI	Reports
English	✓	✓
Chinese (Simplified)	✓	✓
Chinese (Traditional)	✓	✓
French		✓
Japanese	✓	✓
Korean	✓	✓
Portuguese		✓
Spanish		✓

To change the FortiManager language setting, go to *System Settings > Admin > Admin Settings*, in *Administrative Settings > Language* select the desired language on the drop-down menu. The default value is *Auto Detect*.

Russian, Hebrew, and Hungarian are not included in the default report languages. You can create your own language translation files for these languages and import the language translation files into FortiManager by using one of the following commands:

```
execute sql-report import-lang <language name> <ftp> <server IP address> <user name>
    <password> <file name>
execute sql-report import-lang <language name> <sftp> <server IP address> <user name>
    <password> <file name>
execute sql-report import-lang <language name> <scp> <server IP address> <user name>
    <password> <file name>
execute sql-report import-lang <language name> <tftp> <server IP address> <file name>
```

For more information about commands, see the *FortiManager CLI Reference*.

Supported models

The following tables list which FortiGate, FortiCarrier, FortiDDoS, FortiAnalyzer, FortiMail, FortiSandbox, FortiSwitch ATCA, FortiWeb, and FortiCache models and firmware versions that can be managed by a FortiManager or send logs to a FortiManager running version 5.6.6.



Software license activated LENC devices are supported, if their platforms are in the supported models list. For example, support of FG-3200D indicates support of FG-3200D-LENC.

FortiGate models

Model	Firmware Version
FortiGate: FG-30D, FG-30D-POE, FG-30E, FG-30E-3G4G-INTL, FG-30E-3G4G-NAM, FG-50E, FG-51E, FG-52E, FG-60D, FG-60D-POE, FG-60E, FG-60E-POE, FG-61E, FG-70D, FG-70D-POE, FG-80C, FG-80CM, FG-80D, FG-80E, FG-80E-POE, FG-81E, FG-81E-POE, FG-90D, FG-90D-POE, FG-90E, FG-91E, FG-92D, FG-94D-POE, FG-98D-POE, FG-100D, FG-100E, FG-100EF, FG-101E, FG-140D, FG-140D-POE, FG-140E, FG-140E-POE, FG-200D, FG-200D-POE, FG-200E, FG-201E, FG-240D, FG-240-POE, FG-280D-POE, FG-300D, FG-300E, FG-301E, FG-400D, FG-500D, FG-500E, FG-501E, FG-600C, FG-600D, FG-800C, FG-800D, FG-900D, FG-1000C, FG-1000D, FG-1200D, FG-1500D, FG-1500DT, FG-2000E, FG-2500E, FG-3000D, FG-3100D, FG-3200D, FG-3240C, FG-3600C, FG-3700D, FG-3700DX, FG-3800D, FG-3810D, FG-3815D, FG-3960E, FG-3980E, FortiGate 5000 Series: FG-5001C, FG-5001D FortiGate DC: FG-80C-DC, FG-600C-DC, FG-800C-DC, FG-800D-DC, FG-1000C-DC, FG-1500D-DC, FG-3000D-DC, FG-3100D-DC, FG-3200D-DC, FG-3240C-DC, FG-3600C-DC, FG-3700D-DC, FG-3800D-DC, FG-3810D-DC, FG-3815D-DC FortiGate Hardware Low Encryption: FG-80C-LENC, FG-100D-LENC, FG-600C-LENC, FG-1000C-LENC Note: All license-based LENC is supported based on the FortiGate support list. FortiWiFi: FWF-30D, FWF-30D-POE, FWF-30E, FWF-30E-3G4G-INTL, FWF-30E-3G4G-NAM, FWF-50E, FWF-50E-2R, FWF-51E, FWF-60D, FWF-60D-POE, FWF-60E, FWF-61E, FWF-80CM, FWF-81CM, FWF-90D, FWF-90D-POE, FWF-92D FortiGate VM: FG-VM64, FG-VM64-AWS, FG-VM64-AWSONDEMAND, FG-VM64-GCP, FG-VM64-HV, FG-VM64-KVM, FG-VM64-XEN, FG-VMX-Service-Manager, FOSVM64, FOSVM64-KVM FortiGate Rugged: FGR-30D, FGR-35D, FGR-60D, FGR-90D	5.6

Model	Firmware Version
FortiGate: FG-30D, FG-30D-POE, FG-30E, FG-30E-3G4G-INTL, FG-30E-3G4G-NAM, FG-50E, FG-51E, FG-52E, FG-60D, FG-60D-POE, FG-60E, FG-60E-DSL, FG-60E-POE, FG-61E, FG-70D, FG-70D-POE, FG-80C, FG-80CM, FG-80D, FG-80E, FG-80E-POE, FG-81E, FG-81E-POE, FG-90D, FG-90D-POE, FG-90E, FG-91E, FG-92D, FG-94D-POE, FG-98D-POE, FG-100D, FG-100E, FG-100EF, FG-101E, FG-140D, FG-140D-POE, FG-140E, FG-140-POE, FG-200D, FG-200D-POE, FG-240D, FG-240D-POE, FG-280D-POE, FG-200E, FG-201E, FGT-300D, FGT-300E, FGT-301E, FG-400D, FG-500D, FG-500E, FG-501E, FG-600C, FG-600D, FG-800C, FG-800D, FG-900D, FG-1000C, FG-1000D, FG-1200D, FG-1500D, FG-1500DT, FG-3000D, FG-3100D, FG-3200D, FG-3240C, FG-3600C, FG-3700D, FG-3700DX, FG 3800D, FG-3810D, FG-3815D, FG-3960E, FG3980E, FG-2000E, FG-2500E FortiGate 5000 Series: FG-5001C, FG-5001D, FG-5001E, FG-5001E1 FortiGate 6000 Series: FG-6000F, FG-6300F, FG-6301F, FG-6500F, FG-6501F FortiGate 7000 Series: FG-7030E-Q, FG-7030E-S, FG-7040E-1, FG-7040E-2, FG-7040E-3, FG-7040E-4, FG-7040E-5, FG-7040E-6, FG-7040E-8, FG-7040E-8-DC, FG-7060E-1, FG-7060E-2, FG-7060E-3, FG-7060E-4, FG-7060E-5, FG-7060E-6, FG-7060E-8 FortiGate DC: FG-80C-DC, FG-600C-DC, FG-800C-DC, FG-800D-DC, FG-1000C-DC, FG-1500D-DC, FG-3000D-DC, FG-3100D-DC, FG-3200D-DC, FG-3240C-DC, FG-3600C-DC, FG-3700D-DC, FG-3800D-DC, FG-3810D-DC, FG-3815DC FortiGate Hardware Low Encryption: FG-80C-LENC, FG-100D-LENC, FG-600C-LENC, FG-1000C-LENC Note: All license-based LENC is supported based on the FortiGate support list. FortiWiFi: FWF-30D, FWF-30D-POE, FWF-30E, FWF-30E-3G4G-INTL, FWF-30E-3G4G-NAM, FWF-50E, FWF-50E-2R, FWF-51E, FWF-60D, FWF-60D-POE, FWF-60E-DSL, FWF-60E, FWF-61E, FWF-80CM, FWF-81CM, FWF-90D, FWF-90D-POE, FWF-92D FortiGate VM: FG-VM, FG-VM64, FG-VM64-AWS, FG-VM64-AWSONDEMAND, FG-VM64-HV, FG-VM64-KVM, FG-VM64-OPC, FG-VM64-XEN, FG-VMX-Service-Manager, FOS-VM64, FOS-VM64-KVM FortiGate Rugged: FGR-30D, FGR-30D-ADSL-A, FGR-35D, FGR-60D, FGR-90D	5.4

Model	Firmware Version
FortiGate: FG-20C, FG-20C-ADSL-A, FG-30D, FG-30D-POE, FG-40C, FG-60C, FG-60C-POE, FG-60C-SFP, FG-60D, FG-60D-3G4G-VZW, FG-60D-POE, FG-70D, FG-70D-POE, FG-80C, FG-80CM, FG-80D, FG-90D, FG-90D-POE, FG-92D, FG-94D-POE, FG-98D-POE, FG-100D, FG-110C, FG-111C, FG-140D, FG-140D-POE, FG-140D-POE-T1, FG-200B, FG-200B-POE, FG-200D, FG-200D-POE, FG-240D, FG-240D-POE, FG-280D-POE, FG-300C, FG-300D, FG-310B, FG-311B, FG-400D, FG-500D, FG-600C, FG-600D, FG-620B, FG-621B, FG-800C, FG-800D, FG-900D, FG-1000C, FG-1000D, FG-1200D, FG-1240B, FG-1500D, FG-1500DT, FG-3000D, FG-3016B, FG-3040B, FG-3100D, FG-3140B, FG-3200D, FG-3240C, FG-3600C, FG-3700D, FG-3700DX, FG-3810A, FG-3810D, FG-3815D, FG-3950B, FG-3951B FortiGate 5000 Series: FG-5001A, FG-5001A-SW, FG-5001A-LENC, FG-5001A-DW-LENC, FG-5001A-SW-LENC, FG-5001B, FG-5001C, FG-5001D, FG-5101C FortiGate DC: FG-80C-DC, FG-300C-DC, FG-310B-DC, FG-600C-DC, FG-620B-DC, FG-621B-DC, FG-800C-DC, FG-800D-DC, FG-1000C-DC, FG-1240B-DC, FG-1500D-DC, FG-3000D-DC, FG-3040B-DC, FG-3100D-DC, FG-3140B-DC, FG-3200D-DC, FG-3240C-DC, FG-3600C-DC, FG-3700D-DC, FG-3810A-DC, FG-3810D-DC, FG-3815D-DC, FG-3950B-DC, FG-3951B-DC FortiGate Low Encryption: FG-20C-LENC, FG-40C-LENC, FG-60C-LENC, FG-80C-LENC, FG-100D-LENC, FG-200B-LENC, FG-300C-LENC, FG-310B-LENC, FG-600C-LENC, FG-620B-LENC, FG-1000C-LENC, FG-1240B-LENC, FG-3040B-LENC, FG-3140B-LENC, FG-3810A-LENC, FG-3950B-LENC FortiWiFi: FWF-20C, FWF-20C-ADSL-A, FWF-30D, FWF-30D-POE, FWF-40C, FWF-60C, FWF-60CM, FWF-60CX-ADSL-A, FWF-60D, FWF-60D-3G4G-VZW, FWF-60D-POE, FWF-80CM, FWF-81CM, FWF-90D, FWF-90D-POE, FWF-92D FortiGate Rugged: FGR-60D, FGR-100C FortiGate VM: FG-VM, FG-VM64, FG-VM64-AWSONDEMAND, FG-VM-Azure, FG-VM64-HV, FG-VM64-KVM, FG-VM64-XEN FortiSwitch: FS-5203B, FCT-5902D	5.2

FortiCarrier Models

Model	Firmware Version
FortiCarrier: FCR-3000D, FCR-3100D, FCR-3200D, FCR-3700D, FCR-3700DX, FCR-3800D, FCR-3810D, FCR-3815D, FCR-5001C, FCR-5001D, FCR-3000D-DC, FCR-3100D-DC, FCR-3200D-DC, FCR-3240C, FCR-3600C, FCR-3700D-DC, FCR-3810D-DC, FCR-5001C FortiCarrier DC: FCR-3000D-DC, FCR-3100D-DC, FCR-3200D-DC, FCR-3240C-DC, FCR-3600C-DC, FCR-3700D-DC, FCR-3800D-DC, FCR-3810D-DC, FCR-3815D-DC FortiCarrier VM: FCR-VM, FCR-VM64, FCR-VM64-AWS, FCR-VM64-AWSONDEMAND, FCR-VM64-HV, FCR-VM64-KVM	5.4

Model	Firmware Version
FortiCarrier: FCR-3000D, FCR-3100D, FCR-3200D, FCR-3240C, FCR-3600C, FCR-3700D, FCR-3700DX, FCR-3810A, FCR-3810D, FCR-3815D, FCR-3950B, FCR-3951B, FCR-5001A, FCR-5001B, FCR-5001C, FCR-5001D, FCR-5101C, FCR5203B, FCR-5902D FortiCarrier DC: FCR-3000D-DC, FCR-3100D-DC, FCR-3200D-DC, FCR-3700D-DC, FCR-3810D-DC FortiCarrier Low Encryption: FCR-5001A-DW-LENC FortiCarrier VM: FCR-VM, FCR-VM64, FCR-VM64-HV, FCR-VM64-KVM, FCR-VM64-XEN, FCR-VM64-AWSONDEMAND	5.2

FortiDDoS models

Model	Firmware Version
FortiDDoS: FI-200B, FI400B, FI-600B, FI-800B, FI-900B, FI-1000B, FI-1200B, FI-2000B, FI-3000B	4.2, 4.1, 4.0

FortiAnalyzer models

Model	Firmware Version
FortiAnalyzer: FAZ-200D, FAZ-300D, FAZ-400E, FAZ-1000D, FAZ-1000E, FAZ-2000B, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3500E, FAZ-3500F, and FAZ-3900E.	5.6
FortiAnalyzer VM: FAZ-VM64, FAZ-VM64-AWS, FMG-VM64-Azure, FAZ-VM64-HV, FAZ-VM64-KVM, and FAZ-VM64-XEN (Citrix XenServer and Open Source Xen).	
FortiAnalyzer: FAZ-200D, FAZ-300D, FAZ-400E, FAZ-1000D, FAZ-1000E, FAZ-2000B, FAZ-2000E, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3500E, FAZ-3500F, FAZ-3900E, and FAZ-4000B.	5.4
FortiAnalyzer VM: FAZ-VM64, FMG-VM64-Azure, FAZ-VM64-HV, FAZ-VM64-XEN (Citrix XenServer and Open Source Xen), FAZ-VM64-KVM, and FAZ-VM64-AWS.	
FortiAnalyzer: FAZ-100C, FAZ-200D, FAZ-300D, FAZ-400C, FAZ-400E, FAZ-1000C, FAZ-1000D, FAZ-1000E, FAZ-2000B, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3500E, FAZ-3500F, FAZ-3900E, FAZ-4000B FortiAnalyzer VM: FAZ-VM, FAZ-VM-AWS, FAZ-VM64, FAZ-VM64-Azure, FAZ-VM64-HV, FAZ-VM64-KVM, FAZ-VM64-XEN	5.2
FortiAnalyzer: FAZ-100C, FAZ-200D, FAZ-300D, FAZ-400B, FAZ-400C, FAZ-400E, FAZ-1000B, FAZ-1000C, FAZ-1000D, FAZ-1000E, FAZ-2000A, FAZ-2000B, FAZ-3000D, FAZ-3000E, FAZ-3000F, FAZ-3500E, FAZ-3500F, FAZ-4000A, FAZ-4000B FortiAnalyzer VM: FAZ-VM, FAZ-VM64, FAZ-VM64-AWS, FAZ-VM64-Azure, FAZ-VM64-HV, FAZ-VM-KVM, FAZ-VM-XEN	5.0

FortiMail models

Model	Firmware Version
FortiMail: FE-60D, FE-200D, FE-200E, FE-400C, FE-400E, FE-1000D, FE-2000B, FE-2000E, FE-3000C, FE-3000D, FE-3000E, FE-3200E, FE-5002B FortiMail Low Encryption: FE-3000C-LENC FortiMail VM: FE-VM64, FE-VM64-HV, FE-VM64-XEN	5.3.7
FortiMail: FE-60D, FE-200D, FE-200E, FE-400C, FE-400E, FE-1000D, FE-2000B, FE-3000C, FE-3000D, FE-5002B FortiMail VM: FE-VM64, FE-VM64-HV, FE-VM64-XEN	5.2.8
FortiMail: FE-100C, FE-200D, FE-200E, FE-400B, FE-400C, FE-400E, FE-1000D, FE-2000B, FE-3000C, FE-3000D, FE-5001A, FE-5002B FortiMail VM: FE-VM64	5.1.6
FortiMail: FE-100C, FE-200D, FE-200E, FE-400B, FE-400C, FE-1000D, FE-2000A, FE-2000B, FE-3000C, FE-3000D, FE-4000A, FE-5001A, FE-5002B FortiMail VM: FE-VM64	5.0.10

FortiSandbox models

Model	Firmware Version
FortiSandbox: FSA-1000D, FSA-2000E, FSA-3000D, FSA-3000E, FSA-3500D FortiSandbox VM: FSA-VM	2.4.0 2.3.2
FortiSandbox: FSA-1000D, FSA-3000D, FSA-3500D FortiSandbox VM: FSA-VM	2.2.0 2.1.0
FortiSandbox: FSA-1000D, FSA-3000D FortiSandbox VM: FSA-VM	2.0.0 1.4.2
FortiSandbox: FSA-1000D, FSA-3000D	1.4.0 and 1.4.1 1.3.0 1.2.0 and later

FortiSwitch ACTA models

Model	Firmware Version
FortiController: FTCL-5103B, FTCL-5902D, FTCL-5903C, FTCL-5913C	5.2.0
FortiSwitch-ATCA: FS-5003A, FS-5003B FortiController: FTCL-5103B, FTCL-5903C, FTCL-5913C	5.0.0
FortiSwitch-ATCA: FS-5003A, FS-5003B	4.3.0 4.2.0

FortiWeb models

Model	Firmware Version
FortiWeb: FWB-1000D, FWB-1000E, FWB-100D, FWB-2000E, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-3010E, FWB-4000C, FWB-4000D, FWB-4000E, FWB-400C, FWB-400D, FWB-600D FortiWeb VM: FWB-Azure, FWB-CMINTF, FWB-HYPERV, FWB-KVM, FWB-KVM-PAYG, FWB-VM, FWB-VM-PAYG, FWB-XENAWS, FWB-XENAWS-Ondemand, FWB-XENOPEN	5.9.1
FortiWeb: FWB-1000C, FWB-1000D, FWB-1000E, FWB-100D, FWB-2000E, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-3010E, FWB-4000C, FWB-4000D, FWB-4000E, FWB-400C, FWB-400D, FWB-600D FortiWeb VM: FWB-Azure, FWB-Azure-Ondemand, FWB-CMINTF, FWB-HYPERV, FWB-KVM, FWB-KVM-PAYG, FWB-VM, FWB-VM-PAYG, FWB-XENAWS, FWB-XENAWS-Ondemand, FWB-XENOPEN	5.8.6
FortiWeb: FWB-1000C, FWB-1000D, FWB-100D, FWB-2000E, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-3010E, FWB-4000C, FWB-4000D, FWB-4000E, FWB-400C, FWB-400D, FWB-600D FortiWeb VM: FWB-Azure, FWB-HYPERV, FWB-KVM, FWB-OS1, FWB-VM, FWB-XENAWS, FWB-XENAWS-Ondemand, FWB-XENOPEN	5.7.2
FortiWeb: FWB-1000C, FWB-1000D, FWB-100D, FWB-2000E, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-3010E, FWB-4000C, FWB-4000D, FWB-4000E, FWB-400C, FWB-400D, FWB-600D FortiWeb VM: FWB-Azure, FWB-HYPERV, FWB-KVM, FWB-VM, FWB-XENAWS, FWB-XENAWS-Ondemand, FWB-XENOPEN	5.6.1
FortiWeb: FWB-100D, FWB-400C, FWB-400D, FWB-1000C, FWB-1000D, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-3010E, FWB-4000C, FWB-4000D, FWB-4000E FortiWeb VM: FWB-VM-64, FWB-XENAWS, FWB-XENOPEN, FWB-XENSERVR, FWB-HYPERV, FWB-KVM, FWB-AZURE	5.5.6
FortiWeb: FWB-100D, FWB-400C, FWB-1000C, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-4000C, FWB-4000D, FWB-4000E FortiWeb VM: FWB-VM64, FWB-XENAWS, FWB-XENOPEN, FWB-XENSERVR, FWB-HYPERV	5.4.1
FortiWeb: FWB-100D, FWB-400B, FWB-400C, FWB-1000B, FWB-1000C, FWB-1000D, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-4000C, FWB-4000D, FWB-4000E FortiWeb VM: FWB-VM64, FWB-XENAWS, FWB-XENOPEN, FWB-XENSERVR, and FWB-HYPERV	5.3.9

Model	Firmware Version
FortiWeb: FWB-100D, FWB-400B, FWB-400C, FWB-1000B, FWB-1000C, FWB-1000D, FWB-3000C, FWB-3000CFSX, FWB-3000D, FWB-3000DFSX, FWB-3000E, FWB-4000C, FWB-4000D, FWB-4000E FortiWeb VM: FWB-VM64, FWB-HYPERV, FWB-XENAWS, FWB-XENOPEN, FWB-XENSERVR	5.2.4

FortiCache models

Model	Firmware Version
FortiCache: FCH-400C, FCH-400E, FCH-1000C, FCH-1000D, FCH-3000C, FCH-3000D, FCH-3900E FortiCache VM: FCH-VM64	4.0

FortiProxy models

Model	Firmware Version
FortiProxy: FPX-400E, FPX-2000E FortiProxy VM: FPX-KVM, FPX-VM64	1.0

FortiAuthenticator models

Model	Firmware Version
FortiAuthenticator: FAC-200D, FAC-200E, FAC-400C, FAC-400E, FAC-1000C, FAC-1000D, FAC-3000B, FAC-3000D, FAC-3000E, FAC-VM	4.0 and 4.1

Compatibility with FortiOS Versions

This section highlights compatibility issues that administrators should be aware of in 5.6.6.

Compatibility issues with FortiOS 5.6.6

The following table lists interoperability issues that have been identified with FortiManager version 5.6.5 and FortiOS 5.6.6.

Bug ID	Description
513066	FortiManager 5.6.5 does not support the following new value in FortiOS 5.6.6: <code>system sdn-connector</code> command with the <code>azure-region</code> variable set to <code>germany usgov local</code> . If set on FortiGate, the values will be unset during the next configuration installation from FortiManager.
513069	FortiManager 5.6.5 does not support the following new value in FortiOS 5.6.6: <code>system snmp user</code> command with the <code>community events</code> variable set to <code>av-oversize-blocked</code> or <code>faz-disconnect</code> . If set on FortiGate, the values will be unset during the next configuration installation from FortiManager.

Compatibility issues with FortiOS 5.6.5

The following table lists known interoperability issues that have been identified with FortiManager version 5.6.4 and FortiOS version 5.6.5.

Bug ID	Description
496117	Install fails for purging dnsfilter profile.

Compatibility issues with FortiOS 5.6.3

The following table lists interoperability issues that have been identified with FortiManager version 5.6.1 and FortiOS 5.6.3.

Bug ID	Description
469993	FortiManager has a different default value for <code>switch-controller-dhcp-snooping</code> from that on FortiGate.

Compatibility issues with FortiOS 5.6.0 and 5.6.1

The following table lists interoperability issues that have been identified with FortiManager version 5.6.0 and FortiOS 5.6.0 and 5.6.1.

Bug ID	Description
451036	FortiManager may return verification error on <code>proxy enable</code> when installing a policy package.
460639	FortiManager may return verification error on <code>wtp-profile</code> when creating a new VDOM.

Compatibility issues with FortiOS 5.4.10

The following table lists interoperability issues that have been identified with FortiManager version 5.4.5 and FortiOS 5.4.10.

Bug ID	Description
508337	FortiManager cannot edit the following configurations for replacement message: system replacemsg mail "email-decompress-limit" system replacemsg mail "smtp-decompress-limit" system replacemsg nntp "email-decompress-limit"

Compatibility issues with FortiOS 5.4.9

The following table lists interoperability issues that have been identified with FortiManager version 5.6.3 and FortiOS 5.4.9.

Bug ID	Description
486592	FortiManager may report verification failure on the following attributes for RADIUS users: rsso-endpoint-attribute rsso-endpoint-block-attribute sso-attribute

Compatibility issues with FortiOS 5.4.8

The following table lists interoperability issues that have been identified with FortiManager version 5.4.4 and FortiOS 5.4.8.

Bug ID	Description
469700	FortiManager is missing three wtp-profiles: FAP221E, FAP222E, and FAP223E.

Compatibility issues with FortiOS 5.2.10

The following table lists interoperability issues that have been identified with FortiManager version 5.4.1 and FortiOS 5.2.10.

Bug ID	Description
397220	FortiOS 5.2.10 increased the maximum number of the firewall schedule objects for 1U and 2U+ appliances. As a result, a retrieve may fail if more than the maximum objects are configured.

Compatibility issues with FortiOS 5.2.7

The following table lists interoperability issues that have been identified with FortiManager version 5.2.6 and FortiOS 5.2.7.

Bug ID	Description
365757	Retrieve may fail on LDAP User Group if object filter has more than 511 characters.
365766	Retrieve may fail when there are more than 50 portals within a VDOM.
365782	Install may fail on system global optimize or system fips-cc entropy-token.

Compatibility issues with FortiOS 5.2.6

The following table lists interoperability issues that have been identified with FortiManager version 5.2.4 and FortiOS 5.2.6.

Bug ID	Description
308294	1) New default wtp-profile settings on FOS 5.2.6 cause verification errors during installation. 2) FortiManager only supports 10,000 firewall addresses while FortiOS 5.2.6 supports 20,000 firewall addresses.

Compatibility issues with FortiOS 5.2.1

The following table lists interoperability issues that have been identified with FortiManager version 5.2.1 and FortiOS version 5.2.1.

Bug ID	Description
262584	When creating a VDOM for the first time it fails.
263896	If it contains the certificate: <code>Fortinet_CA_SSLProxy</code> or <code>Fortinet_SSLProxy</code> , <code>retrieve</code> may not work as expected.

Compatibility issues with FortiOS 5.2.0

The following table lists known interoperability issues that have been identified with FortiManager version 5.2.1 and FortiOS version 5.2.0.

Bug ID	Description
262584	When creating a VDOM for the first time it fails.
263949	Installing a VIP with port forwarding and ICMP to a 5.2.0 FortiGate fails.

Bug ID	Description
230199	FortiManager allows the creation of a new FAP-320C WTP profile on a FortiOS 5.0.5 device causing the install to fail. FAP-320C is new for FortiOS 5.0.6.

Bug ID	Description
226064	Attempting to install time zones 79 and 80 fails. These time zones were added in FortiOS 5.0.5.
226078	When the password length is increased to 128 characters, the installation fails.
226098	When installing a new endpoint-control profile, installation verification fails due to default value changes in FortiOS 5.0.5.
226102	If DHCP server is disabled, installation fails due to syntax changes in FortiOS 5.0.5.
226203	Installation of address groups to some FortiGate models may fail due to table size changes. The address group table size was increased in FortiOS 5.0.5.
226236	The <code>set dedicated-management-cpu enable</code> and <code>set user-anonymize enable</code> CLI commands fail on device install. These commands were added in FortiOS 5.0.5.
230199	FortiManager allows the creation of a new FAP-320C WTP profile on a FortiOS 5.0.4 device causing the install to fail. FAP-320C is new for FortiOS 5.0.6.

Resolved Issues

The following issues have been fixed in 5.6.6. For inquiries about a particular bug, please contact [Customer Service & Support](#).

AP Manager

Bug ID	Description
450434	The "wtp-mode" is unset after changed AP configuration from AP Manager.
496657	AP Manager GUI's device list is missing some FortiGate devices with managed APs.
500022	FortiManager should let users to select FortiAP from firmware list.
504394	The WiFi profile for FAP221E should display RADIO 2.
509769	When attempting to assign the default profile to FAP221E, FortiManager returns an error on unknown <i>wtp-ip</i> .

Device Manager

Bug ID	Description
480400	FortiManager does not show the correct FortiGate's system time under Device Manager.
488577	FortiManager GUI should display more than 50 SD-WANs to allow more firewalls to be managed.
491367	User may not be able to import policies it take a long time to load zone mapping.
491926	Renaming ADOM interface during import fails to add policies.
492801	When FIPS is enabled, the AES256 option should be available on FortiManager's VPN phase1.
494537	Virtual switch-interface moves to root VDOM after changing it directly on FortiGate 140D-POE.
494923	IKE version grayed out in existing tunnels, unlike FortiOS GUI.
495785	Import process keeps loading and becomes unresponsive where there are 7000 policies configured on FortiGate.
500177	FortiManager does not push IPsec Phase1 XAUTH user group configuration to the firewall.
500293	FortiManager fails to configure Alert email settings on no management VDOM when FortiGate has no disk.

Bug ID	Description
503926	Import should simply add all SD-WAN status check entries to FortiManager without any error.
505916	Copying firewall policy from one policy package to another causing source policy package to go in to <i>Modified</i> state.
509329	Importing policies may consume high CPU resources.

HA

Bug ID	Description
462721	[fg-7k ha] Failed to change HA device sequence.
500682	Cluster members should be able to ping each other if there are no trusted host restrictions.

Policy and Objects

Bug ID	Description
293781	If reset operation is done via FortiGate's GUI, new <i>Hit Count</i> details should be reflected in FortiManager's GUI.
453702	FortiManager should be able to filter policy using Hit Count, Bytes, Packets, First Used, or Last Used.
459753	The message, <i>waiting for other session id (xxxx), username (xxxxx)</i> , should be truncated.
461772	Wildcard FQDN should be available to be selected when editing firewall policy.
467535	Explicit proxy policy should be configurable with Application Profile that blocks Proxy Category.
472011	If you accidentally delete a global used object, policy assignment to local ADOM fails, but suggest using a better error message.
473973	Drag-and-drop should not allow coexisting of both security profiles and profile groups.
474629	When Security Profile Groups are created on the FortiManager, they are all pushed to all FortiGates on the next policy install.
476220	Users are unable to edit objects from the Explicit Proxy Policy view within a 5.4 ADOM.
476227	FortiManager should not clear any filters applied on Policy or Objects when admin locks the ADOM or changes the view.
479258	The import policy operation on one device should not cause other packages to change status.

Bug ID	Description
492293	When selecting an object on a policy with many objects, the user still needs to scroll down to find the highlighted object.
492893	Installing custom IPS and Application Control signatures with the same Attack ID will cause install to fail.
494253	FortiManager may not display all service objects when it encounters an error on an object.
496827	Users are unable to delete LDAP server if user group is deleted before removing the LDAP members.
498642	LDAP browse from ADOM objects does not work if the primary LDAP server is not reachable.
499721	Cloning replacement message group does not keep custom HTML rather sets to default.
501313	Policy Package Clone fails caused by invalid installation targets.
501477	Push to device function installs all the address objects to FortiGate even when the objects are not being used.
502047	Policy install fails when IP pool object type is changed from fixed port range to overload.
503664	Right-pane object selector does not show profile groups.
505469	User may not be able to install an external CA certificate.
507677	After creating an IPS filter, it is not possible to edit it in order to add or remove certain signatures.
507919	FortiManager must recognize that internet-service-custom object is part of master internet-service object and need to be installed or imported properly.
508324	Policy package status should remain synchronized after cloning a policy packing and its installation targets are removed.
508456	In workspace mode, when a referenced object is deleted, but the changes are discarded, FortiManager leaves behind the object reference in the policy, despite the address object already deleted.
508584	<i>wisp-servers</i> should be available in GUI under the advanced web filter options.
509173	Policy Package Install may fail after upgrading from 5.4.5 to 5.6.4.
509185	FortiManager may install default certificate instead of the dynamically mapped certificate.
509790	When creating a new LDAP user on FortiManager, the LDAP browser ID column is showing the user <i>cn</i> instead of <i>SAMAccount</i> .
509854	If firewall address groups are recursively defined, FortiManager may run into infinite loop. This causes the data check to fail causing the security console daemon to crash.
510936	Adding a new device to address object should not set the interface to <i>any</i> for previous associated devices.
512167	FortiManager may not be able to configure a custom IPS signature due to change with "--protocol" on FortiGate.

Revision History

Bug ID	Description
473169	Users are unable to proceed to device install screen through install wizard if default device selection for ADOM is set to <i>unselect all</i> .
477678	FortiManager should not unset <i>admin-scp</i> when it is set as enabled.
484608	Installation fails when creating a dial-up VPN with peer type set to use a dial-up user group.
486536	Policy package install fails due to <i>VIP overlap</i> error with FQDN VIP.
490500	RADIUS source IP and VAP errors occur when installing a policy that has security profiles on FortiWiFi-60E.
499734	Install attempt to any of the managed devices may hang due to null interface within system DHCP server entries.
504382	After setting a ssl/ssh profile with <i>Multiple Clients Connecting to Multiple Servers</i> and setting a non-CA certificate in the <i>CA certificate</i> field, and then selecting <i>Protecting SSL Server</i> with a non-CA certificate, FortiManager returns an error during install.
508080	FortiManager pushes a lot of move commands to FortiGate when moving a policy from top to bottom.
515102	When installing policy package, FortiManager should not apply media type parameter on VLAN interfaces.

Script

Bug ID	Description
459030	Changes made on <i>ha-mgmt-interface</i> via CLI script should be installed.
499342	When running a CLI script on Policy Package/ADOM, a firewall address with .067 (example 10.10.10.067/32) is configured. The script runs without error. The subnet is accepted but the address is configured as .55 (10.10.10.55/32) instead.
507394	FortiManager may return an error, <i>Error:response with errors</i> , when creating a new script.

Services

Bug ID	Description
478050	When FortiManager provides services to FortiGate HA, FortiManager shows duplicate entries under FortiGuard > Package Management > Service Status after the FortiGate failover.
501456	Web filter license and service should activate or deactivate immediately after contract is received or withdrawn via update process.
508469	FortiManager may render the values for the horizontal axis with a gray area.

System Settings

Bug ID	Description
469471	FortiManager is not able to resolve IP address for the domain name, <i>smtp.office365.com</i> .
474712	Auto-backup process does not work and results in out-of-sync FortiGate configuration in Backup ADOM.
488836	Wildcard TACACS+ admin should be able to access more than one ADOM.
499066	FortiManager cannot verify PKI admin client certificate if the CA chain has more than two certificates.
510459	The device <i>lock</i> and <i>unlock</i> actions should generate event logs.

VPN Manager

Bug ID	Description
437064	Create SSL VPN is missing Authentication/Portal Mapping and default value.
481717	VPN Monitor may not show some tunnels connections.
504541	FortiManager should allow users to upload AP profiles and create new AP Profiles under 5.2 ADOM.
504957	VPN Manager Monitor took more than 10 minutes to load page with 16000 tunnels.
4785376	FortiManager is unable to install VPN script and install log reports duplicated VPN remote gateways.

Others

Bug ID	Description
482721	The filtering of the Event Logs does not work properly with combination "NOT" logic in one column.
492852	After enabling workflow, there is high consumption on CPU resources caused by the <i>svc dvmdb reader</i> process.
494072	Central DNAT is incorrectly translated to Central SNAT in Japanese language on GUI.
501485	FortiManager should not change <i>Web Filter Local Category ID</i> during ADOM upgrade.
501507	Strong-crypto parameter should be visible using JSON API.
507434	Console unable to accept username with space character.

Common Vulnerabilities and Exposures

Visit <https://fortiguard.com/psirt> for more information.

Bug ID	Description
464795	FortiManager 5.6.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none">• CVE-2017-17541
473644	FortiManager 5.6.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none">• CVE-2018-1354
474994	FortiManager 5.6.6 is no longer vulnerable to the following CVE Reference: <ul style="list-style-type: none">• CVE-2018-1355

Known Issues

The following issues have been identified in 5.6.6. For inquiries about a particular bug or to report a bug, please contact [Customer Service & Support](#).

Device Manager

Bug ID	Description
506163	FortiManager GUI may not display zone members.
506697	Logical interfaces on FortiGate are not shown under the HA port monitor page on the FortiManager.

Policy & Objects

Bug ID	Description
510929	During import, there is no notification to remind users that some objects may be renamed.
511717	Policy package install fails intermittently when installing traffic shaping configuration to FortiGate.

System Settings

Bug ID	Description
508680	Setting for specified policy package with in admin user is gone after ADOM upgrade.

Others

Bug ID	Description
511580	The category-override setting under web filter profile may be changed after upgraded FortiManager.

Bug ID	Description
512410	FortiManager's Master unit may not delete temporary file, showconf, causing the tmp directory to fill up and retrieves to fail.
512705	When using XML API to get the latest revision of FortiGate device, FortiManager may show the administrator password in clear text.

Appendix A - FortiGuard Distribution Servers (FDS)

In order for the FortiManager to request and retrieve updates from FDS, and for FortiManager to serve as a FDS, please configure the necessary settings on all devices between FortiManager and FDS, or between FortiManager and FortiGate devices based on the items listed below:

- FortiManager accesses FDS for antivirus and attack updates through TCP/SSL port 443.
- If there is a proxy server between FortiManager and FDS, FortiManager uses port 80 to communicate with the proxy server by default and connects to the proxy server using HTTP protocol.
- If FortiManager manages a FortiGate device located behind a proxy server, the proxy server permits TCP/SSL traffic to pass through via port 443.

FortiGuard Center update support

You can configure FortiManager as a local FDS to provide FortiGuard updates to other Fortinet devices and agents on your network. The following table lists which updates are available per platform/version:

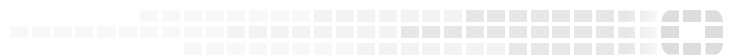
Platform	Version	Antivirus	AntiSpam	Vulnerability Scan	Software
FortiClient (Windows)	<ul style="list-style-type: none">• 5.0.0 and later• 5.2.0 and later• 5.4.0 and later• 5.6.0 and later	✓		✓	
FortiClient (Windows)	<ul style="list-style-type: none">• 4.3.0 and later	✓			
FortiClient (Windows)	<ul style="list-style-type: none">• 4.2.0 and later	✓	✓		✓
FortiClient (Mac OS X)	<ul style="list-style-type: none">• 5.0.1 and later• 5.2.0 and later• 5.4.0 and later• 5.6.0 and later	✓		✓	
FortiMail	<ul style="list-style-type: none">• 4.2.0 and later• 4.3.0 and later• 5.0.0 and later• 5.1.0 and later• 5.2.0 and later	✓	✓		
FortiSandbox	<ul style="list-style-type: none">• 1.2.0, 1.2.3• 1.3.0• 1.4.0 and later	✓			

Platform	Version	Antivirus	AntiSpam	Vulnerability Scan	Software
FortiWeb	<ul style="list-style-type: none">• 5.0.6• 5.1.4• 5.2.0 and later• 5.3.0	✓			



To enable FortiGuard Center updates for FortiMail version 4.2 enter the following CLI command:

```
config fmupdate support-pre-fgt-43
set status enable
end
```



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